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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Manuel Vega, et. al  
Serial No. : 10/022,249  
Filed : December 17, 2001  
Conf. No. : 7196  
Title : HIGH THROUGHPUT DIRECTED EVOLUTION BY RATIONAL  
MUTAGENESIS

Art Unit : 1631  
Examiner : Channing S. Mahatan  
Cust. No. : 20985

**Mail Stop Amendment**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

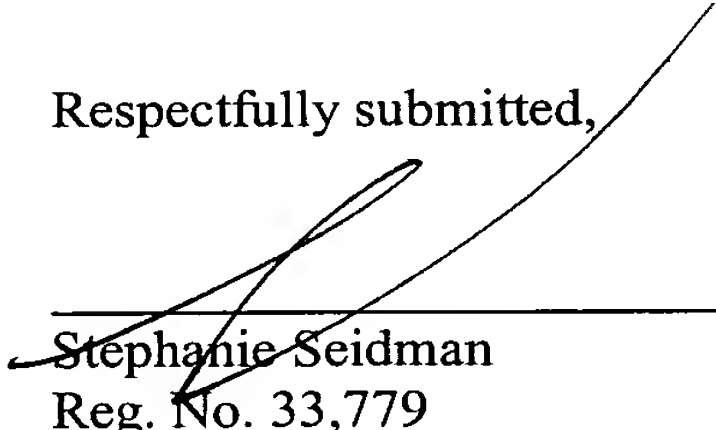
**TRANSMITTAL LETTER**

Dear Sir:

Transmitted herewith are a Supplemental Information Disclosure Statement, Form PTO-1449 (2 pages), bound references (3 volumes in 1 box), a check for the requisite fee of \$180; and a return postcard for filing in connection with the above-identified application:

- ☒ The Commissioner is hereby authorized to charge any fee, including any submitted herewith if the attached check(s) is in the wrong amount or otherwise improper or missing, that may be due in connection with this and the attached papers, or with this application during its entire pendency to or to credit any overpayment to Deposit Account No. 06-1050. A duplicate of this sheet is enclosed.

Respectfully submitted,

  
Stephanie Seidman  
Reg. No. 33,779

**Dated: March 14, 2005**  
Attorney Docket No. 17109-002001 / 911  
**Address all correspondence to:**  
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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN**  
**ACCORDANCE WITH 37 C.F.R. §§1.97-1.98**

Dear Sir:

Because this Supplemental Information Disclosure Statement is after receipt of a first Office Action on the Merits of the above-captioned application, the filing fee of \$180 is enclosed. If no proper payment is enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal, or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 06-1050.

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent Office of all information known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Supplemental Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§1.97-1.98. Form PTO-1449 (2 pages) and copies of the cited references that are not US patent documents are provided herewith in connection with the above-captioned application.

The documents listed on the Form PTO-1449 are in the English language. Hence, in accordance with the requirements of 37 C.F.R. §1.98, as amended effective March 16, 1992, no further explanation of the listed item is necessary.

Further to the list provided in the communication filed on June 3, 2003, applicant also makes known to the Examiner the following pending U.S. and International Applications that

have one or more common inventors and/or are commonly owned:

<b>U.S.S.N.</b>	<b>Filing Date</b>	<b>Publication or Issue No.</b>	<b>Publication or Issue Date</b>	<b>Docket No.</b>
10/022,390	12/17/01	2003-0129203	7/10/03	912
10/375,192	2/24/03	2003-0224404	12/4/03	918
10/658,834	9/8/03	2004-0132977	7/8/04	922
10/658,355	9/8/03	n/a	n/a	923
60/625,652	11/4/04	n/a	n/a	P925
10/168,075	12/13/00	2003-0129584	7/10/03	n/a
10/275,253	05/09/03	2003-0175694	9/18/03	n/a
<b>Int'l App. No.</b>	<b>Filing Date</b>	<b>Publication No.</b>	<b>Publication Date</b>	<b>Docket No.</b>
PCT/IB02/03921	8/16/02	03/023032	3/20/03	911PC
PCT/IB02/04087	8/16/02	03/018820	3/6/03	912PC
PCT/IB03/04347	9/8/03	2004/022593	3/18/04	922PC
PCT/IB03/04255	9/8/03	2004/022747	3/18/04	923PC
EP20010931796	5/4/01	EP 1281081	2/5/03	n/a
EP20000985423	12/13/01	EP 1244912	10/2/01	n/a
PCT/FR01/01366	05/04/01	01/86291	11/15/01	n/a
PCT/FR01/03503	12/13/00	01/44809	6/21/01	n/a
FR 99 15884	12/16/1999	(2802645)	3/8/2002	n/a
FR 00 05852	05/09/2000	FR 2 808 804	08/01/2002	n/a
EP02798018.4	08/16/2002	EP 1 427 823	06/16/2004	n/a

Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the references is effective as prior art against the subject application. In accordance with 37 C.F.R. 1.97(h), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. 1.56(b) exists.

Applicant : Manuel Vega, et. al  
Serial No. : 10/022,249  
Filed : December 17, 2001  
Supplemental Information Disclosure Statement

Attorney's Docket No.: 17109-002001 / 911

Applicant respectfully requests that the Examiner review the foregoing references and make them of record in the file history of the above-captioned application.

Respectfully submitted,

Stephanie L. Seidman  
Reg. No. 33,779

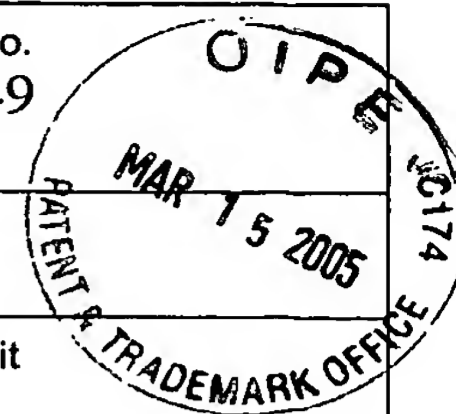
**Dated: March 14, 2005**

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**Address all correspondence to:**

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Facsimile: (202) 626-7796  
email: seidman@fr.com

Substitute Form PTO-1449 (Modified)  <b>List of Patents and Publications for Applicant's Information Disclosure Statement</b>  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 17109-002001 / 911	Application No. 10/022,249
	Applicant Manuel Vega, et. al			
	Filing Date December 17, 2001		Group Art Unit 1631	



### U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	3,171,820	03/02/65	Volz et al.	521	61	02/17/64
	AB	5,223,409	06/29/93	Ladner et al.	435	69.7	03/01/91
	AC	6,013,478	01/11/00	Wells et al.	435	69.1	06/24/98
	AD	2003/0129203	07/10/03	Manuel Vega et al.	424	233.1	12/17/01
	AE	2003/0129584	07/10/03	Manuel Vega	435	5	10/28/02
	AF	2003/0175694	09/18/03	Manuel Vega et al.	435	5	05/09/03
	AG	2003/0224404	12/04/03	Vega et al.	435	6	02/24/03
	AH	2004/0132977	07/08/04	Rene Gantier et al.	530	351	09/08/03

### Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AI	01/25253	04/12/01	PCT				
	AJ	01/32711	05/10/01	PCT				
	AK	01/32844	05/10/01	PCT				
	AL	01/61344	08/23/01	PCT				
	AM	01/025438 ✓	04/12/01	PCT				
	AN	03/018820	03/06/03	PCT				
	AO	03/023032	03/20/03	PCT				
	AP	04/022747	03/18/04	PCT				
	AQ	04/022593	03/18/04	PCT				
	AR	0 240 224	10/07/87	EP				
	AS	95/23813	09/08/95	PCT				
	AT	98/13487	04/02/98	PCT				
	AU	99/07833	02/18/99	PCT				

### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
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Examiner Signature	Date Considered
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 17109-002001 / 911	Application No. 10/022,249
List of Patents and Publications for Applicant's Information Disclosure Statement  (37 CFR §1.98(b))				Applicant Manuel Vega, et. al	
				Filing Date December 17, 2001	Group Art Unit 1631
Other Documents (include Author, Title, Date, and Place of Publication)					
Examiner Initial	Desig. ID	Document			
	AV	Charbord <i>et al.</i> "Normal human granulomonocytic bone marrow progenitor cells responsiveness to colony stimulating activity" <i>Nouv.l Rev. Fr. Hématol.</i> 22:357-370 (1980)			
	AW	Davis <i>et al.</i> "High throughput method for creating and screening recombinant adenoviruses" <i>Gene Therapy</i> 5(8):1148-1152 (1998)			
	AX	Gibrat <i>et al</i> "Surprising similarities in structure comparison" <i>Curr. Opinon in Structural Biology</i> 6(3): 377-385 (1996)			
	AY	Holm <i>et al</i> "Mapping the protein Universe" <i>Science</i> 273(2):8036-8075 (1996)			
	AZ	Kuhn "Structural basis for the positional specificity of lipoxygenases" <i>Prostaglandins and other lipid mediators</i> 62(3): 255-270 (2000)			
	BA	Lewerenz <i>et al.</i> "Shared receptor components but distinct complexes for alpha and beta interferons" <i>J. Mol. Biol.</i> 282(3):585-599 (1998)			
	BB	Manetti <i>et al.</i> "Design and realization of a tailor-made enzyme to modify the molecular recognition of 2-arylpropionic esters by <i>Candida rugosa</i> lipase" <i>Biochem. Biophys. Acta</i> 1543(1): 146-158 (2000)			
	BC	Moullier <i>et al.</i> , "Comparative binding of wheat germ agglutinin and its succinylated form on lymphocytes" <i>European J. Biochem.</i> 161:197-204 (1986)			
	BD	Piehler <i>et al</i> "New Structural and functional aspects of the type I interferon-receptor interaction revealed by comprehensive mutational analysis of the binding interface" <i>J. Biol Chem.</i> 275(51): 40425-40433 (2000)			
	BE	Schumann <i>et al.</i> "Intracellular Ca <sup>2+</sup> inhibits smooth muscle L-type Ca <sup>2+</sup> channels by activation of protein phosphatase type 2B and by direct interaction with the channel", <i>J. General Physiology</i> 110: 503-513 (1997)			

Examiner Signature	Date Considered
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	